

PRCP schedule

Environmental Protection Act 1994

PRCP schedule P-PRCP-100726381

This is the approved form for a PRCP schedule issued by the administering authority under Chapter 5 of the Environmental Protection Act 1994.

PRCP schedule: P-PRCP-100726381

PRCP schedule holder(s)

Name(s)	Registered address
PGH Bricks & Pavers Pty Ltd	Level 5, Trinita 3, 39 Delhi Road NORTH RYDE NSW 2113

Location details

Location(s)
Mining Lease (ML) 1102, ML4552, ML4604, ML4628, ML4629, ML4632, ML4639, ML4640, ML4643, ML4654, ML4706, ML4713, ML50028, ML50144, ML4622, ML50116, ML50117 and ML4583

Take effect

In accordance with section 202B of the *Environmental Protection Act 1994* (EP Act), the PRCP schedule has effect on the day the environmental authority for carrying out relevant activities on land to which the schedule relates takes effect. Pursuant to section 202C of the EP Act, a PRCP schedule continues in force until the environmental authority for the relevant activities to which the PRCP schedule relates is cancelled or surrendered, even if the resource tenure expires or is cancelled and even if the relevant environmental authority is suspended under Chapter 5, part 11 or 11A of the EP Act.



Signature

26 September 2025

Date

Rebecca McAuley
Department of the Environment, Tourism, Science
and Innovation
Delegate of the administering authority
Environmental Protection Act 1994

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Obligations under the *Environmental Protection Act 1994*

Pursuant to section 202E of the EP Act, if there is an inconsistency between an environmental authority and a PRCP schedule, the environmental authority prevails to the extent of the inconsistency.

Pursuant to section 285 of the EP Act:

- the holder of a PRCP schedule must commission an audit of the schedule by a rehabilitation auditor for the following periods (each an audit period) —
 - (a) the 3-year period starting on the day the schedule takes effect
 - (b) each 3-year period starting on the day after the previous audit period ended.
- the holder must, within 4 months after the end of each audit period, give the administering authority -
 - (a) the rehabilitation auditor's report (an audit report) about the audit that complies with section 286 of the EP Act, and
 - (b) a declaration for the audit report that complies with section 285 of the EP Act.

In addition to the requirements found in the conditions of this PRCP schedule, the holder must also meet their obligations under the environmental authority, the EP Act, and the regulations made under the EP Act. For example, the holder must comply with the following provisions of the EP Act:

- general environmental duty (section 319)
- duty to notify environmental harm (section 320-320G)
- offence of causing serious or material environmental harm (sections 437-439)
- offence of causing environmental nuisance (section 440)
- offence of depositing prescribed water contaminants in waters and related matters (section 440ZG)
- offence to place contaminant where environmental harm or nuisance may be caused (section 443).

PRCP schedule

The PRCP schedule incorporates the following sections:

- Section A - Conditions of PRCP schedule
- Section B - Final site design and reference maps
- Section C - Post mining land uses

Section A - Conditions of PRCP schedule

Pursuant to section 206A of the EP Act:

- it is a condition of this PRCP schedule that, in carrying out a relevant activity under the schedule, the holder must comply with a requirement stated in the environmental authority relevant to carrying out the activity.
- it is a condition of this PRCP schedule that the holder must comply with the following matters stated in the schedule -
 - (a) each rehabilitation milestone and management milestone
 - (b) when each rehabilitation milestone and management milestone is to be achieved

General conditions

- PRCP1** All mining disturbance authorised under EA EPML03821316 must have an associated rehabilitation outcome provided in this schedule.
- PRCP2** The holder must for each rehabilitation area achieve the rehabilitation milestone criteria (milestone reference):
- (a) for the cumulative area available specified in this schedule; and
 - (b) by the milestone completion date specified in this schedule.
- PRCP3** Where land becomes 'available for rehabilitation' earlier than the date nominated in this schedule, the holder must:
- (a) Notify the administering authority in writing within 30 days of the land becoming 'available for rehabilitation'. The written notification must include precise details of the relevant land area and the date when that land became 'available for rehabilitation'; and
 - (b) Unless otherwise agreed to by the administering authority in writing, within 90 days of the land becoming 'available for rehabilitation', apply to the administering authority to amend this schedule in a way that maximises the progressive rehabilitation of the land to a stable condition.
- Note: reference to "earlier than the date nominated in this schedule" means a date that is greater than 1 year prior to the date nominated in this schedule.
- PRCP4** Where an area achieves a rehabilitation milestone, the holder must continue to achieve the milestone criteria until a surrender is approved.
- PRCP5** The holder must maintain a risk register that identifies the risks to not achieving a stable condition for post-mining land uses, and how the risks are being managed or minimised. The risk register must be reviewed annually and include consideration of the outcomes of PRCP monitoring data.
- PRCP6** The holder must undertake monitoring and maintenance as described in this schedule and the rehabilitation planning part for the activity. Where there is any inconsistency between this schedule and the rehabilitation planning part the schedule criteria prevail to the extent of the inconsistency.
- PRCP7** The holder must make and keep up to date records on:
- (a) Achievement and maintenance of achievement of each rehabilitation milestone criteria of this schedule.
 - (b) Rehabilitation activities and the results of those activities (including but not limited to, actions taken, date, location, methods, data collected, QA/QC, photos, waste tracking and disposal records, appropriately qualified person details and assumptions);

- (c) Maintenance of rehabilitation and the results of maintenance activities;
- (d) Monitoring of rehabilitation and the results of monitoring;
- (e) Details and results of rehabilitation trials;
- (f) Designs, drawings, specifications and any similar documents developed in accordance with good professional practice in relation to rehabilitation milestones or milestone criteria;
- (g) All documents in relation to the requirements of this schedule, including reports (e.g. site investigation report), statements (e.g. site suitability statement), certifications, assessments, investigations, inspections, audits or any similar documents developed in relation to rehabilitation milestones or milestone criteria;
- (h) Landholder agreements;
- (i) Details of community consultation in the community consultation register relating to rehabilitation and closure activities.

PRCP8 Records made under PRCP7 must be kept until the relevant environmental authority has been surrendered.

PRCP9 Records made under PRCP7 must be provided to the administering authority in the specified format within 10 business days of a written request.

PRCP10 The holder must progressively analyse and report on PRCP monitoring data relating to surface water quality with the findings incorporated into the risk register under PRCP5.

PRCP11 All AQP designs, specifications, certifications, assessments and any similar documents developed in accordance with good professional practice must include documented consideration of any relevant guideline or publication material.

PRCP12 Surface water quality must be monitored monthly during flow, and not limited to, the locations specified in Table 5 - Surface water monitoring locations.

Note: water quality monitoring may commence during RM8 and RM9 of this schedule.

PRCP13 With respect to surface water the following must be demonstrated prior to surrender:

- (a) Surface water quality must not exceed the limits specified in Table 6 - Surface Water Quality Limits within the two-year period immediately prior to surrender or the actions outlined in (b) or (c) apply for individual sample events that exceed a limit;
- (b) If the surface water quality exceeds criteria PRCP13a), the applicable upstream site must be compared to the downstream site result; and quality result measured at a downstream site must be equal to or less than the quality result measured at the applicable upstream site¹.
- (c) Where the surface water quality at the downstream site exceeds the upstream site result (PRCP13b), an AQP must complete an assessment of the risk of rehabilitation not achieving a stable condition within the schedule timeframe and:

¹ For pH, the quality result measured at the downstream location must be within the prescribed range. However, where pH at the downstream location is greater-than (>) the highest limit in the range, the pH at the applicable upstream location must be greater-than or equal-to (≥) the downstream location. Conversely, where pH at the downstream location is less than (<) the lowest limit in the range, the upstream pH at the applicable upstream location must be less-than or equal-to (≤) the downstream location.

1. Where there is no risk to achieving a stable condition from the mining tenure (ML1102, ML4552, ML4604, ML4628, ML4629, ML4632, ML4639, ML4640, ML4643, ML4654, ML4706, ML4713, ML50028, ML50144, ML4622, ML50116, ML50117 and ML4583), then no further action is to be taken; or
2. Where there is a risk to achieving a stable condition, then an assessment of potential environment harm and any changes or rectification actions to rehabilitation activities must be determined and implemented.

PRCP14 The assessment/s under PRCP13(c) must be completed and provided to the administering authority within 3 months of receiving the relevant sampling results.

PRCP15 For areas of land where the PMLU identified in Section B and Section C is described as industrial, local and state government land use approvals must be obtained and current for the industrial use.

Definitions

Appropriately qualified person (AQP)	Means a person who has professional qualifications, training, skills or experience relevant to the nominated subject matter and can give authoritative assessment, advice and analysis on performance relative to the subject matter using the relevant protocols, standards, methods or literature.
Activity (EP Regulation)	Includes that part, if any, of an activity relating to the following— (a) preparing a place for the activity before carrying out the activity. (b) rehabilitating a place after it has been used for carrying out the activity.
Growth media	Is defined as all soil and soil-like material that will support the final vegetation cover. This includes the topsoil and subsoil where these materials are applied independently. Where the topsoil is incorporated into the underlying subsoil/spoil, topsoil refers to the depth of incorporation and the remaining depth is regarded as subsoil. The total depth of growth media is nominally considered to be the effective plant root zone.
Rehabilitation activity	Means any activity that the holder is required to carry out in relation to this PRCP schedule.
Stable	In relation to land, means landform dimensions are or will be stable within tolerable limits now and in the foreseeable future. Stability includes consideration of geotechnical stability, settlement and consolidation allowances, bearing capacity (trafficability), erosion resistance and geochemical stability with respect to seepage, leachate and related contaminant generation. Land is in a stable condition if: a) the land is safe and structurally stable, and b) there is no environmental harm being caused by anything on or in the land, and c) the land can sustain a post mining land use (PMLU).
Suitably qualified and experienced person (SQP)	Suitability qualified person for performing a regulatory function under chapter 7, part 8 (Contaminated Land) of the EP Act or another function prescribed under a regulation, means a person who— (a) has qualifications and experience relevant to performing the function; and (b) if a regulation prescribes an organisation for this paragraph—is a member of the organisation.

END OF CONDITIONS

Figure 1: Final Site Design

The figure is a detailed site plan for the Dinmore site. It shows the layout of various mining lease areas (ML) and a native ecosystem area. The site is bounded by Cunningham Highway to the west, Pottery Road to the north, and Child Street to the east. The plan also shows various easements (RP) and surrounding land parcels (SP). A legend at the bottom left defines the symbols for Mining Lease Boundary, Easement Boundary, Maximum Disturbance Footprint, Industrial, and Native Ecosystem. A scale bar at the bottom right indicates a scale of 1:4,000. The title 'Dinmore Final Site Design' is at the bottom right.

Legend:

- Mining Lease Boundary
- Easement Boundary
- Maximum Disturbance Footprint
- Industrial
- Native Ecosystem

Scale: 1:4,000

Title: Dinmore Final Site Design

Project: Progressive Rehabilitation and Closure Plan

Client: PGH Bricks & Pavers Pty Limited

Scale: 1:4,000

Title: Dinmore Final Site Design

Project: Progressive Rehabilitation and Closure Plan

Client: PGH Bricks & Pavers Pty Limited

² Dinmore: ML4552, ML4604, ML4639, ML4640, ML4706, ML50028 and ML50144.

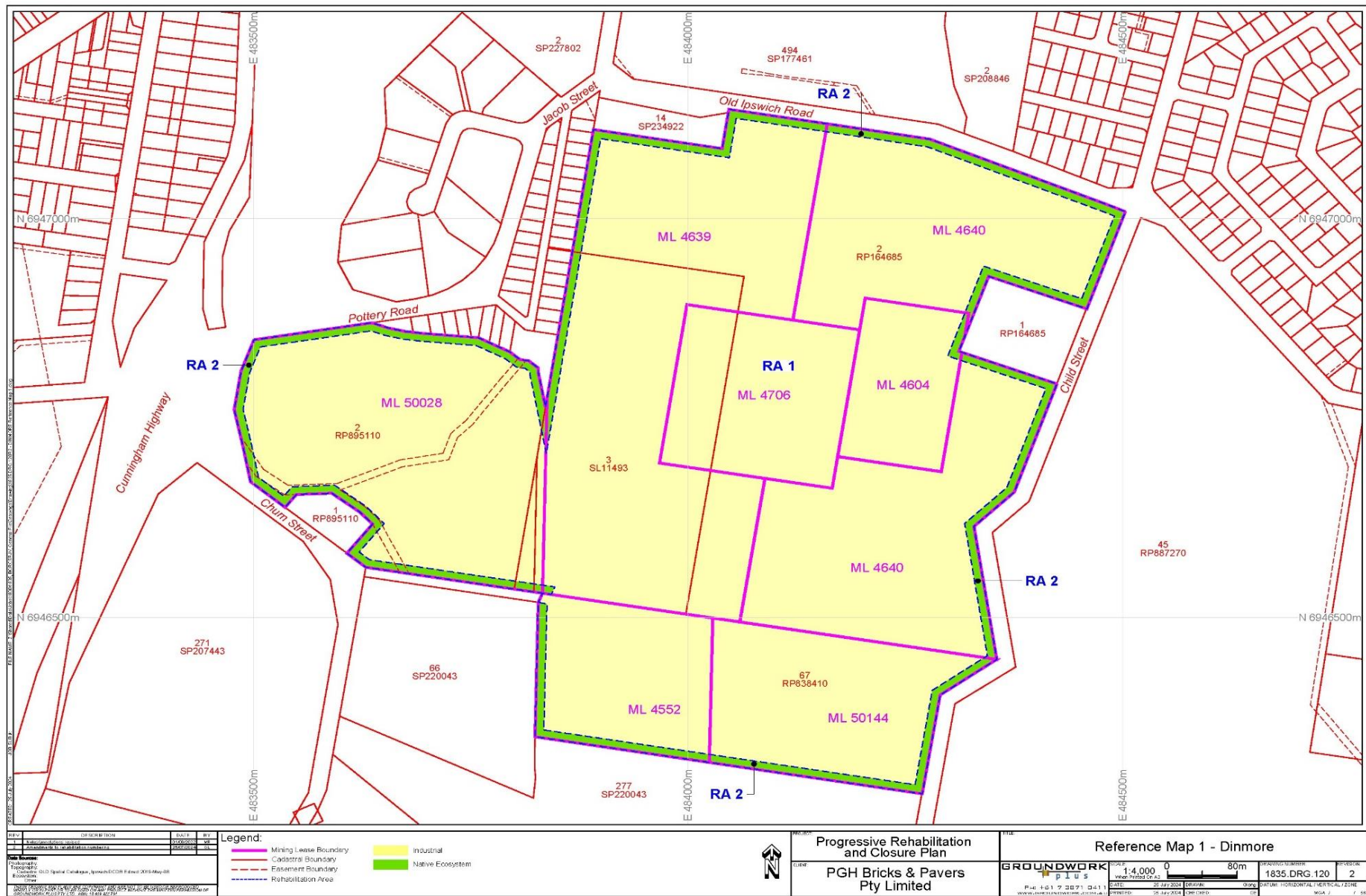


Figure 2 - PRCP Schedule - Dinmore - Rehabilitation Area

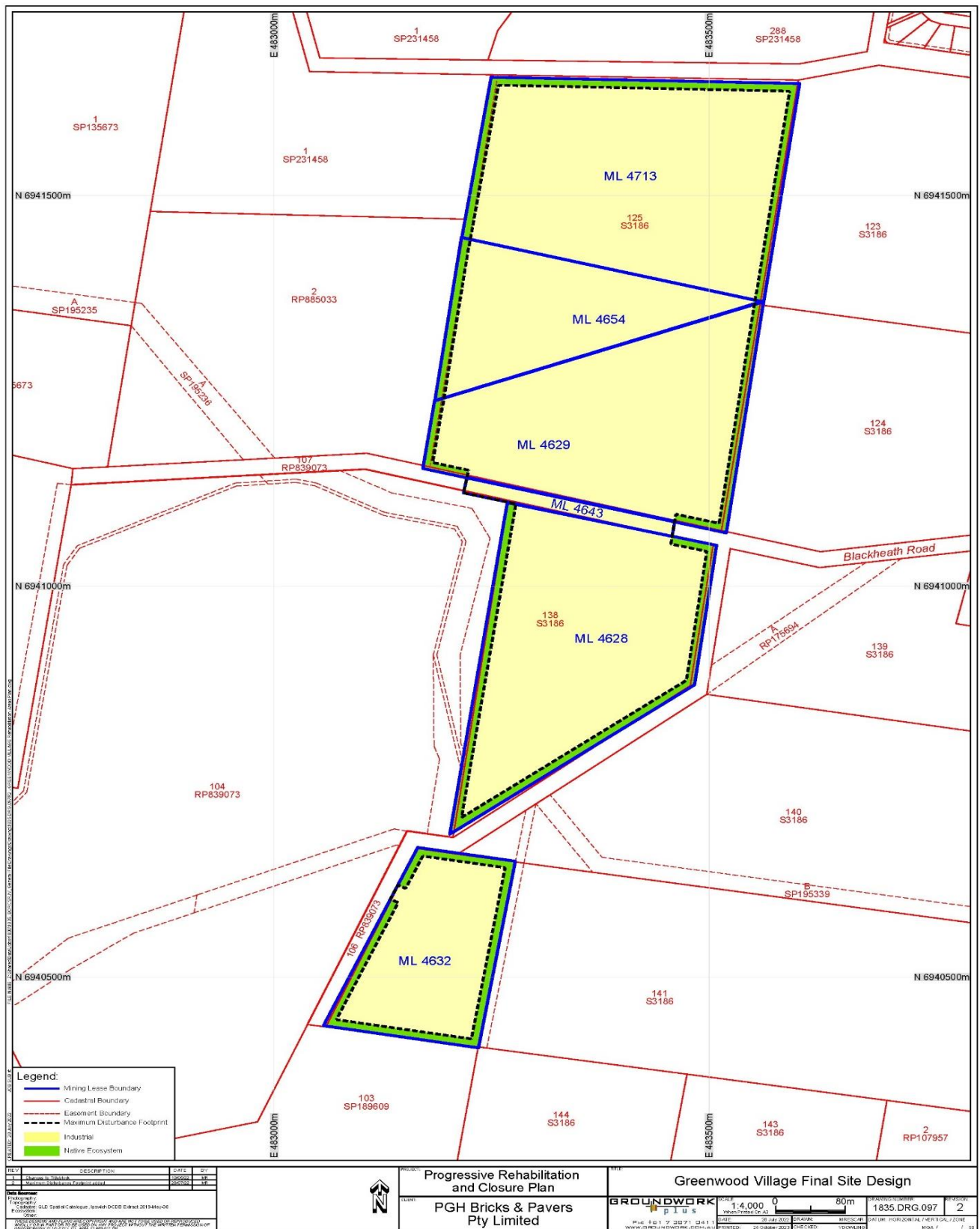


Figure 3 - PRCP Schedule - Final Landform Greenwood Village³ Site

³ Greenwood village: ML4628, ML4629, ML4632, ML4643, ML4654 and ML4713.

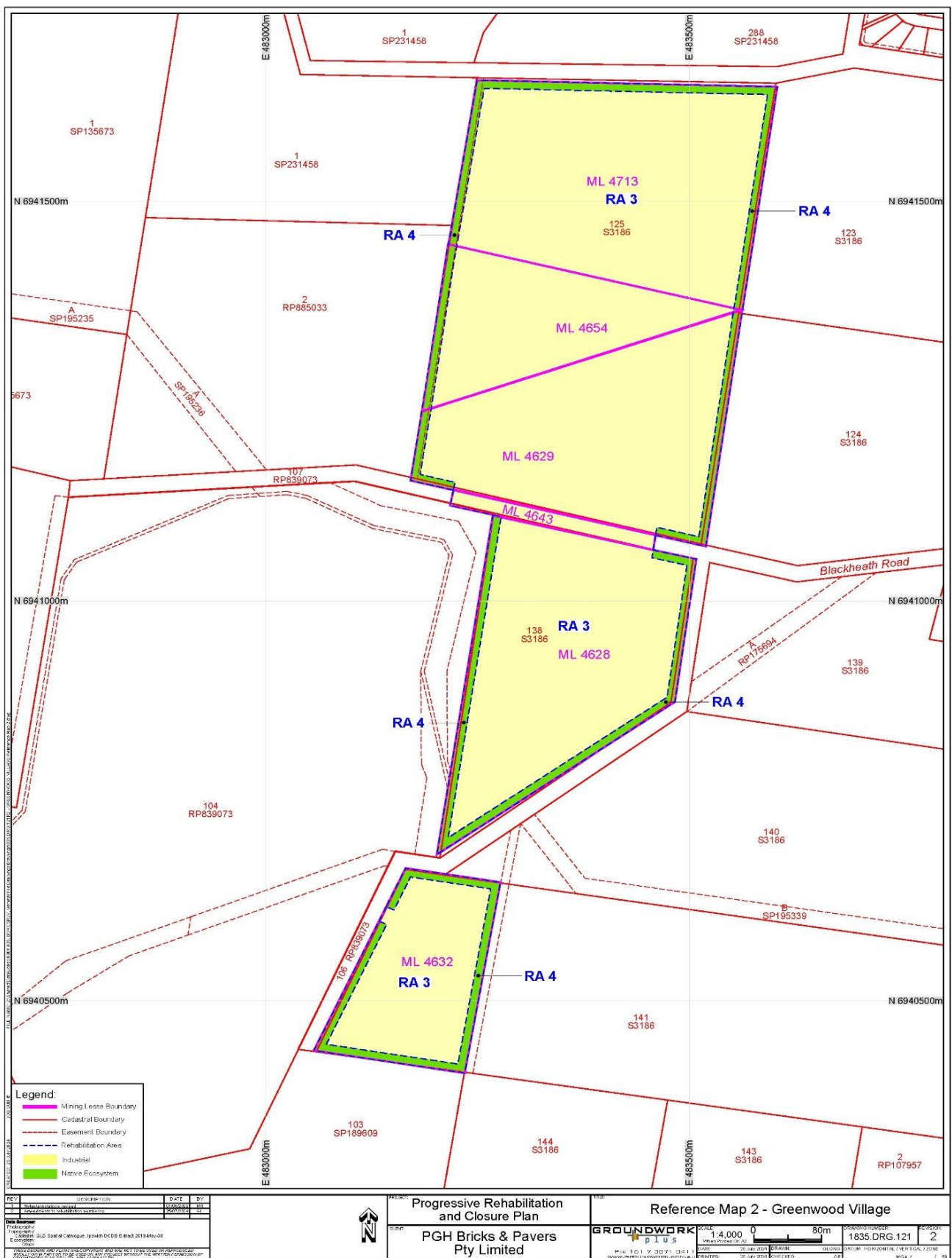


Figure 4 - PRCP Schedule – Greenwood village - Rehabilitation Area

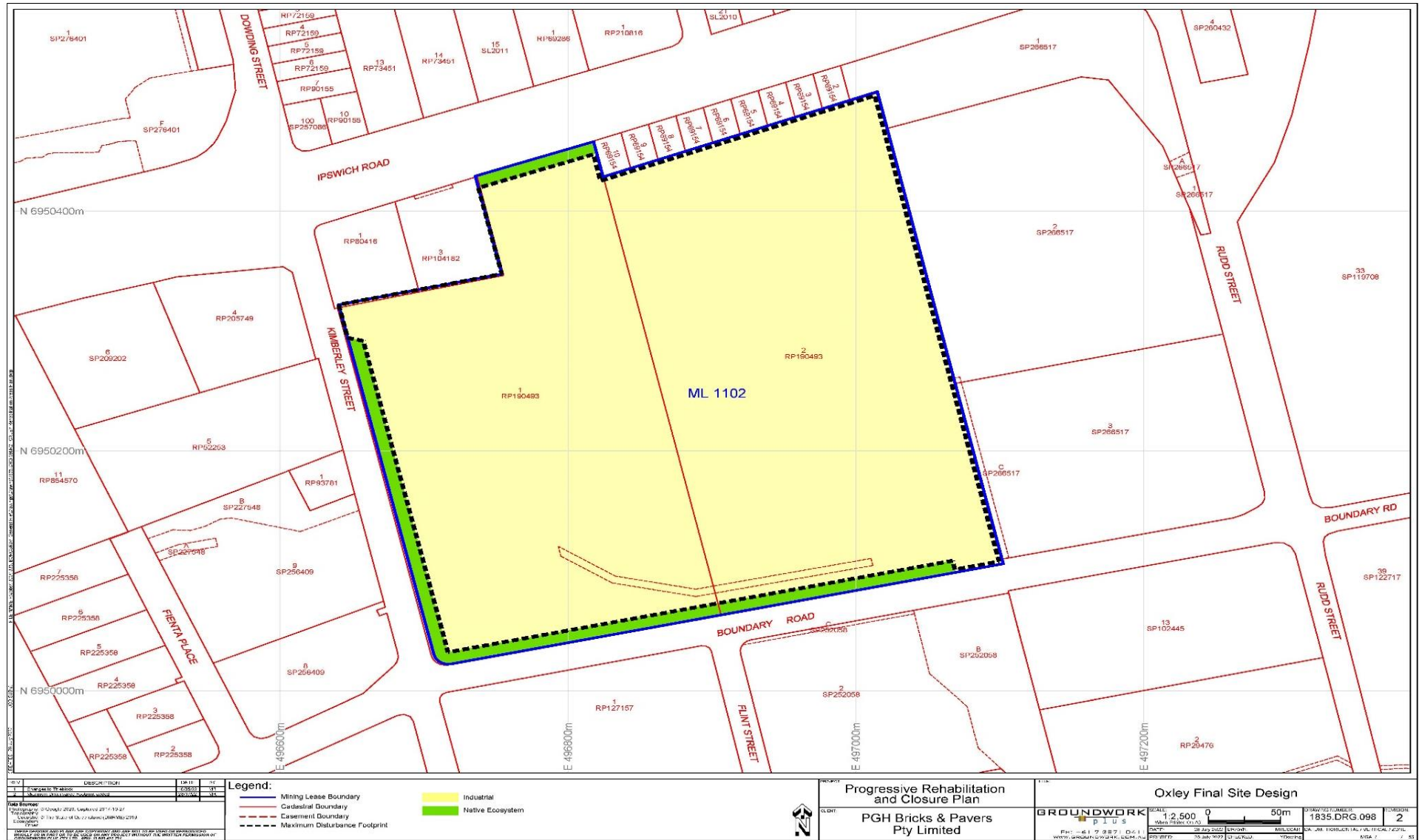


Figure 5. PRCP Schedule - Final Landform Oxley⁴ Site

⁴ Oxley: ML1102.

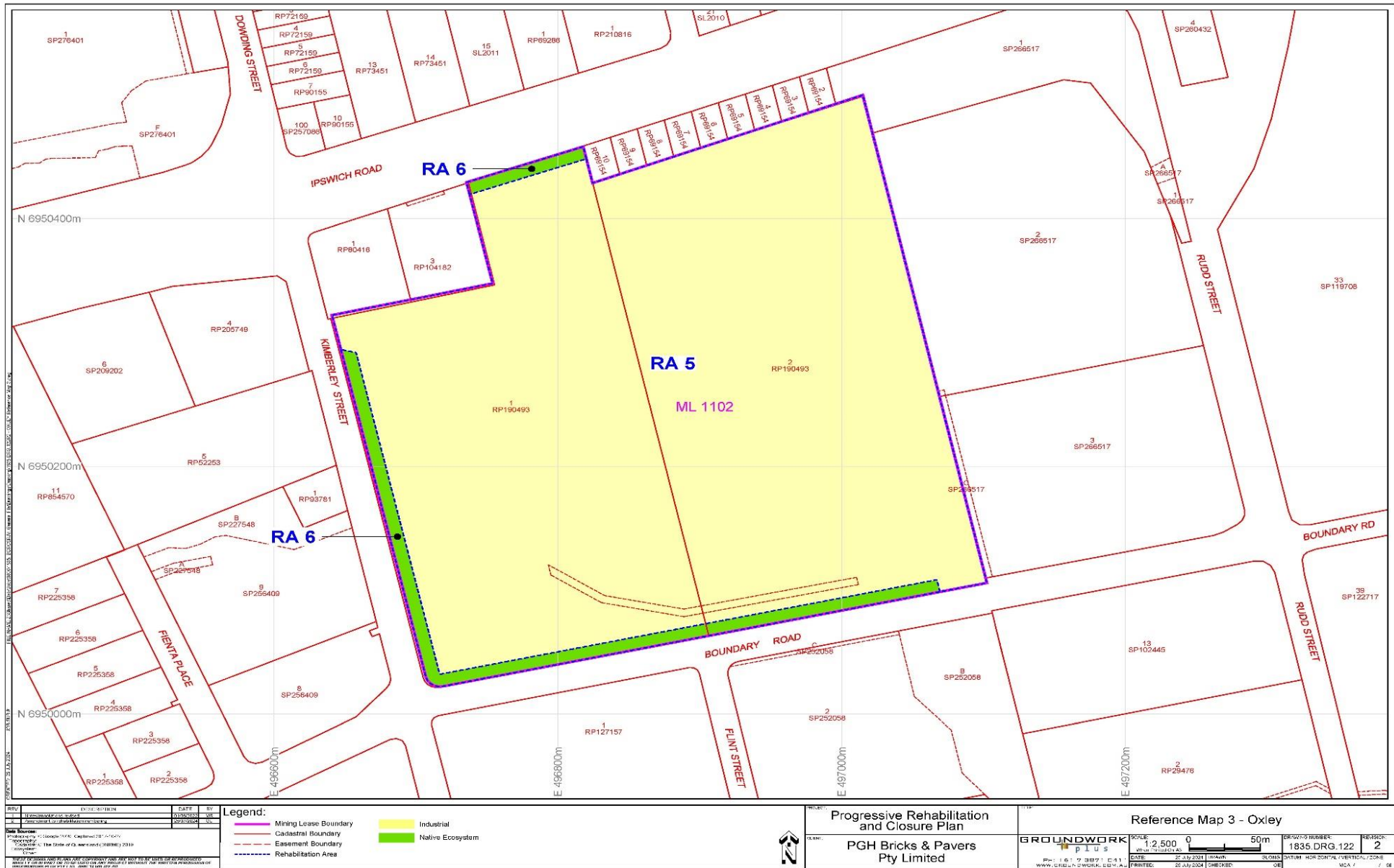


Figure 6 - PRCP Schedule - Oxley - Rehabilitation areas



Figure 7 - PRCP Schedule - Final Landform Redbank Plains⁵ site

⁵ Redbank Plains: ML4622, ML50116, ML50117 and ML4583.

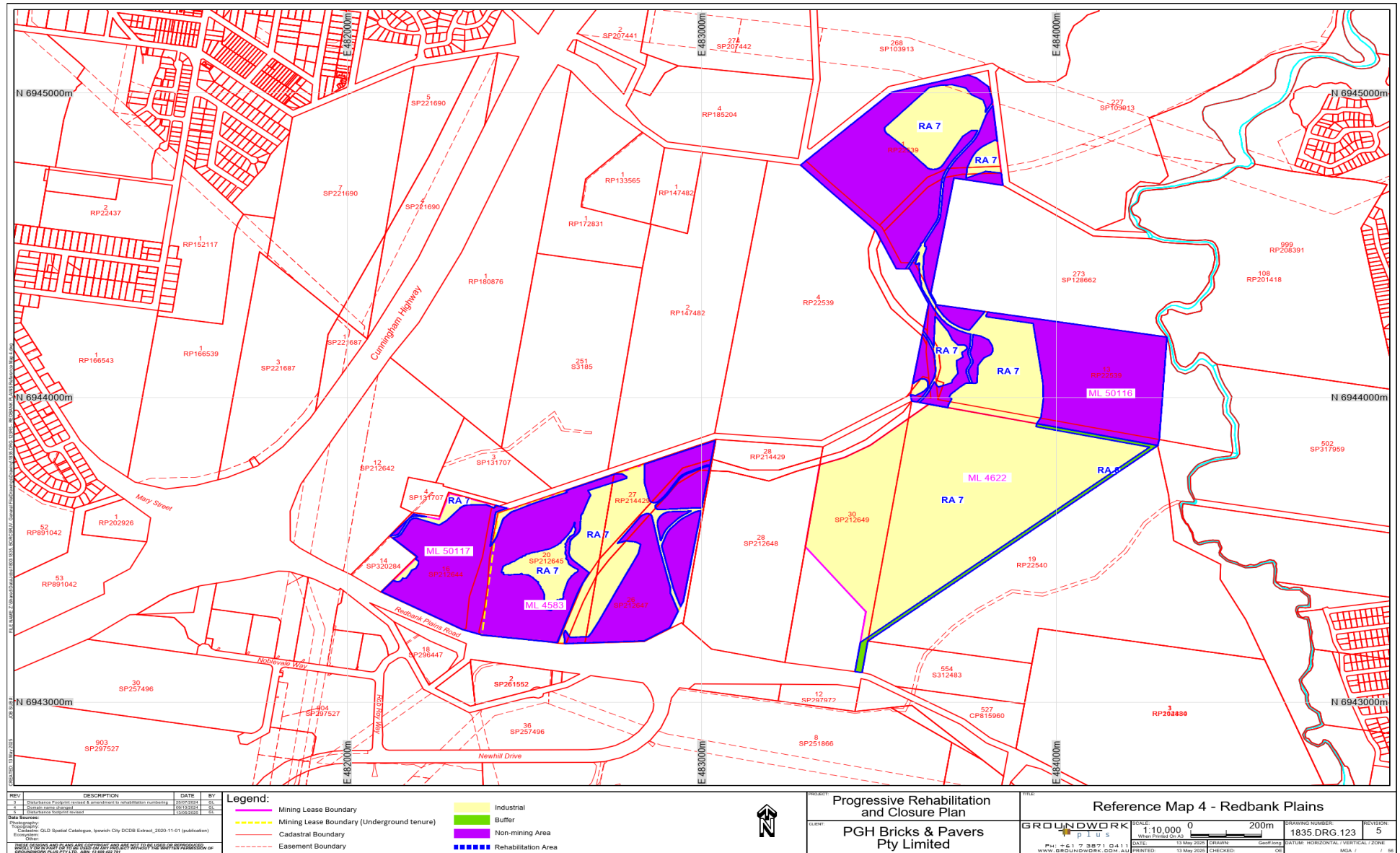


Figure 8 - PRCP Schedule - Redbank Plains - Rehabilitation Area

Section C – Post mining land uses

(RA1) Rehabilitation area 1

Post-mining land uses (PMLU)			
Rehabilitation area	RA1 - Dinmore		
Relevant activities	Mine disturbance area		
Total rehabilitation area size (ha)	47.053		
Commencement of first milestone: RM1	10/12/2046		
PMLU	Industrial		
Date area is available	10/12/2046	10/12/2047	10/12/2050
Cumulative area available (ha)	47.053	47.053	47.053
Milestone completed by	10/12/2047	10/12/2050	10/12/2053
Milestone Reference	Cumulative area achieved (ha)		
RM1	47.053		
RM2	47.053		
RM4		47.053	
RM5		47.053	
RM7		47.053	
RM9		47.053	
RM11			47.053

(RA2) Rehabilitation area 2

Post-mining land uses (PMLU)			
Rehabilitation area	RA2 - Dinmore		
Relevant activities	Buffer		
Total rehabilitation area size (ha)	3.734		
Commencement of first milestone: RM1	10/12/2046		
PMLU	Native Ecosystem		
Date area is available	10/12/2046	10/12/2047	10/12/2050
Cumulative area available (ha)	3.734	3.734	3.734
Milestone completed by	10/12/2047	10/12/2050	10/12/2053
Milestone Reference	Cumulative area achieved (ha)		
RM1	3.734		
RM2	3.734		
RM3	3.734		
RM5	3.734		
RM6	3.734		
RM8		3.734	
RM10			3.734

(RA3) Rehabilitation area 3

Post-mining land uses (PMLU)			
Rehabilitation area	RA3 – Greenwood village		
Relevant activities	Mine disturbance area		
Total rehabilitation area size (ha)	27.69		
Commencement of first milestone: RM1	10/12/2046		
PMLU	Industrial		
Date area is available	10/12/2046	10/12/2047	10/12/2052
Cumulative area available (ha)	27.69	27.69	27.69
Milestone completed by	10/12/2047	10/12/2052	10/12/2055
Milestone Reference	Cumulative area achieved (ha)		
RM1	27.69		
RM2	27.69		
RM4		27.69	
RM5		27.69	
RM7		27.69	
RM9		27.69	
RM11			27.69

(RA4) Rehabilitation area 4

Post-mining land uses (PMLU)			
Rehabilitation area	RA4 – Greenwood village		
Relevant activities	Buffer		
Total rehabilitation area size (ha)	2.36		
Commencement of first milestone: RM1	10/12/2046		
PMLU	Native Ecosystem		
Date area is available	10/12/2046	10/12/2047	10/12/2050
Cumulative area available (ha)	2.36	2.36	2.36
Milestone completed by	10/12/2047	10/12/2050	10/12/2053
Milestone Reference	Cumulative area achieved (ha)		
RM1	2.36		
RM2	2.36		
RM3	2.36		
RM5	2.36		
RM6	2.36		
RM8		2.36	
RM10			2.36

(RA5) Rehabilitation area 5

Post-mining land uses (PMLU)			
Rehabilitation area	RA5 - Oxley		
Relevant activities	Mine disturbance area		
Total rehabilitation area size (ha)	14.138		
Commencement of first milestone: RM1	10/12/2046		
PMLU	Industrial		
Date area is available	10/12/2046	10/12/2047	10/12/2052
Cumulative area available (ha)	14.138	14.138	14.138
Milestone completed by	10/12/2047	10/12/2052	10/12/2055
Milestone Reference	Cumulative area achieved (ha)		
RM1	14.138		
RM2	14.138		
RM4		14.138	
RM5		14.138	
RM7		14.138	
RM9		14.138	
RM11			14.138

(RA6) Rehabilitation area 6

Post-mining land uses (PMLU)			
Rehabilitation area	RA6 - Oxley		
Relevant activities	Buffer		
Total rehabilitation area size (ha)	0.722		
Commencement of first milestone: RM1	10/12/2046		
PMLU	Native Ecosystem		
Date area is available	10/12/2046	10/12/2047	10/12/2052
Cumulative area available (ha)	0.722	0.722	0.722
Milestone completed by	10/12/2047	10/12/2052	10/12/2055
Milestone Reference	Cumulative area achieved (ha)		
RM1	0.722		
RM2	0.722		
RM3		0.722	
RM5		0.722	
RM6		0.722	
RM8		0.722	
RM10			0.722

(RA7) Rehabilitation area 7

Post-mining land uses (PMLU)			
Rehabilitation area	RA7 - Redbank Plains		
Relevant activities	Mine disturbance area		
Total rehabilitation area size (ha)	62.22		
Commencement of first milestone: RM1	10/12/2046		
PMLU	Industrial		
Date area is available	10/12/2046	10/12/2047	10/12/2052
Cumulative area available (ha)	62.22	62.22	62.22
Milestone completed by	10/12/2047	10/12/2052	10/12/2055
Milestone Reference	Cumulative area achieved (ha)		
RM1	62.22		
RM2	62.22		
RM4		62.22	
RM5		62.22	
RM7		62.22	
RM9		62.22	
RM11			62.22

(RA8) Rehabilitation area 8

Post-mining land uses (PMLU)			
Rehabilitation area	RA8 – Redbank Plains		
Relevant activities	Buffer		
Total rehabilitation area size (ha)	1.57		
Commencement of first milestone: RM1	10/12/2046		
PMLU	Native Ecosystem		
Date area is available	10/12/2046	10/12/2047	10/12/2050
Cumulative area available (ha)	1.57	1.57	1.57
Milestone completed by	10/12/2047	10/12/2050	10/12/2053
Milestone Reference	Cumulative area achieved (ha)		
RM1	1.57		
RM2	1.57		
RM3		1.57	
RM5		1.57	
RM6		1.57	
RM8		1.57	
RM10			1.57

Rehabilitation area milestones

Milestone reference	Rehabilitation milestone	Milestone criteria
RM1	Infrastructure decommissioning and removal	1.1 All plant, equipment, hardstands, roads and tacks and infrastructure (including drainage) associated with the resource activity are removed where they are not approved to be retained under an agreement with the landholder. 1.2 All waste removed.
RM2	Contaminated land identification, remediation and removal	2.1 Contaminated Land Investigation Document completed in accordance with the <i>Environmental Protection Act 1994</i>, including a site investigation report, and, where required, a Validation Report and/or a draft Site Management Plan. 2.2 Contaminated and hazardous material either remediated in-situ or removed/transported to an approved landfill for disposal and waste tracking information recorded and submitted. 2.3 The Contaminated Land Investigation Document from a SQP that no contamination unsuitable for the post-mining land use remains.
RM3	Landform development and reshaping/reprofiling (Native Ecosystem)	3.1 General reshaping and pushing/trimming achieves a final landform with a factor of safety greater than 1.5. 3.2 Landform design is assessed by an AQP as being geotechnically stable with a factor of safety greater than 1.5. 3.3 Erosion and sediment control measures comprising a minimum 70% groundcover (vegetation and mulch) in line with the IECA (Australasia) Revegetation Factsheet (IECA (Australasia) 2010, P5). 3.4 Additional stormwater, erosion and sediment controls such as rock checks, sediment traps and diversion bunds designed and installed with reference to Best Practice Erosion and Sediment Control series where required.
RM4	Landform development and reshaping/reprofiling (Industrial)	4.1 Engineering and design plans completed. 4.2 Engineering and design plans identify backfill and landform requirements consistent with good engineering practice. 4.3 Engineering and design plans achieve a landform suitable for industrial land use, with the design consistent with any local government requirements.

Milestone reference	Rehabilitation milestone	Milestone criteria
		4.4 Backfilling has been completed in accordance with AS 3798-2007 Guidelines on earthworks for commercial and residential developments (Standards Australia 2007, or most recent edition). 4.5 Landform constructed consistent with engineering design and landform plans. 4.6 All imported fill material is either clean earth as defined under the <i>Environmental Protection Regulation 2019</i> or clean earthen materials as defined under the EA EPML03821316.
RM5	Surface preparation	5.1 All erosion and subsidence has been remediated. 5.2 Trim, rock rake and deep rip of compacted surfaces to 150 mm. 5.3 Testing and amelioration of topsoil stockpiles by AQP to achieve a primary growth media that will support the nominated vegetation to be established. 5.4 Ameliorants and/or fertiliser are applied at the rates recommended by the AQP. 5.5 Source, cart and spread growth media to a depth of 150mm. <u>Additional PMLU specific criteria for native ecosystem (RA2, RA4, RA6, RA8)</u> 5.6 Soil productivity and suitability assessment by an AQP, and gypsum, lime or fertilisers applied where deemed necessary by an AQP.
RM6	Revegetation (Native Ecosystem)	6.1 Assisted natural regeneration supported by demarcation / fencing to exclude access if required. 6.2 Soil productivity and suitability confirmed by an AQP. 6.3 Seeding at a rate of 15kg/ha with a composition mixture that is representative of the pre-cleared Regional Ecosystems (REs) as detailed in Table 1. 6.4 Minimum 70% strike/survival rate of applied seed mix. 6.5 Appropriate weeds control measures have been implemented, as documented and determined by an AQP.
RM7	Revegetation (Industrial)	7.1 Soil productivity and suitability confirmed by an AQP. 7.2 Complete seeding using a seed mix comprising species in Table 2. 7.3 Seeding at a rate of 1-15 kg / ha; Table 2.

Milestone reference	Rehabilitation milestone	Milestone criteria
		7.4 Minimum 70% strike/survival rate of applied seed mix. 7.5 Appropriate weeds control measures have been implemented, as documented and determined by an AQP.
RM8	Achievement of surface requirements (Native Ecosystem)	8.1 Certification provided by an AQP that the vegetation density and composition is consistent with pre-cleared Regional Ecosystems (REs) as mapped for each RA as detailed in Table 3. 8.2 Vegetation within each RA is on a trajectory to be self-sustaining within the time period of this schedule. 8.3 Minimum of 70% vegetative groundcover achieved. 8.4 No active rill or gullies throughout the landform. 8.5 No more than 10% groundcover comprised of non-native and/or weed species. 8.6 Soil testing of growth media indicates the following parameters are met: ○ Electrical Conductivity <0.15 mS/cm, ○ Soil pH <8.5 and >6, ○ Exchangeable Sodium Percentage (ESP%) <5%.
RM9	Achievement of surface requirements (Industrial)	9.1 AQP certifies conformance to engineering and design plans prepared as part of RM4. 9.2 Certification from an AQP that the landform is geotechnically and structurally stable and achieved a factor of safety 1.5. 9.3 Minimum 70% groundcover to be achieved (through revegetation with grass species, other agreed engineered solution, or combination of both). 9.4 ≥ 50% established and persistent vegetative groundcover for all slopes from 0-15%. 9.5 ≥ 80% established and persistent vegetative cover for slopes > 15%.
RM10	Achievement of post-mining land use to stable condition (Native Ecosystem)	10.1 No evidence of erosion classified as Moderate and Severe as defined by Table 4. 10.2 Certification provided by an AQP that the vegetation density and composition are consistent with pre-clear Regional Ecosystems (REs) as mapped for each RA as detailed in Table 3. 10.3 Vegetation maturity has reached a level where it is now self-sustaining.

Milestone reference	Rehabilitation milestone	Milestone criteria
		10.4 Erosion equivalent to, or less than, natural rates for the locality as measured by an AQP. 10.5 Minimum 70% groundcover to be achieved in accordance with the IECA (Australasia) Revegetation Factsheet (IECA (Australasia) 2010, P5). 10.6 Mortality rate of mature trees equal to, or less than, the recruitment rate of new trees. 10.7 No more than 10% groundcover comprised of non-native and/or weed species. 10.8 AQP certifies that the landform is geotechnically and structurally stable and achieved a factor of safety 1.5. 10.9 Soil testing of growth media indicates the following parameters are met: a. Electrical Conductivity <0.15 mS/cm, b. Soil pH <8.5 and >6, c. Exchangeable Sodium Percentage (ESP%) <5% . 10.10 Any rectification actions required by PRCP13(b) have been implemented. 10.11 An independent AQP certifies achievement of RM10.1 – RM10.10.
RM11	Achievement of post-mining land use to stable condition (Industrial)	11.1 No evidence of erosion classified as Moderate and Severe as defined by Table 4. 11.2 There are no active areas of rill or gully erosion. 11.3 Drainage follows appropriate drainage paths. 11.4 AQP confirms that there has been no material change with respect to the geotechnical and structural assessments. 11.5 Stormwater management assessment conducted by a AQP at completion of works to confirm site is non-polluting. 11.6 Contaminated land assessment confirms the site is non-polluting. 11.7 Planning approval granted for industrial use, as applicable. 11.8 Ownership of any remaining retained infrastructure has been transferred to the landholder. 11.9 Any rectification actions required by PRCP13(c) have been implemented. 11.10 The final landform achieves a stable condition. 11.11 An independent AQP certifies achievement of RM11.1 – RM11.10.

Table 1: Native Ecosystem Revegetation Species Mix

Site	Stratum	Species	Corresponding Regional Ecosystem (RE)
Dinmore RA2	Canopy/ sub-canopy/shrub layer	• Angophora spp. • Angophora leiocarpa C. citriodora subsp. variegata • Corymbia intermedia C. tessellaris • E. acmenoides • E. crebra • E. fibrosa subsp. fibrosa • Eucalyptus major • E. melanophloia • E. pilularis • E. portuensis • E. racemosa subsp. racemosa • E. seeana • E. sideroxylon • E. tereticornis	12.9-10.2 / 12.9-10.7 / 12.9-10.19
	Ground layer	• Entolasia stricta • Cymbopogon refractus • Themeda triandra • Eremochloa bimaculata	12.9-10.2
		• Dichanthium sericeum, • Chloris divaricata • Aristida gracilipes	12.9-10.7
		• Scleria sphacelata, • Lomandra confertifolia subsp • Pallida and Xanthorrhoea johnsonii	12.9-10.19
	Canopy/ sub-canopy/shrub layer	• Angophora spp. • A leiocarpa • C. citriodora subsp. variegata	12.9-10.2 / 12.9-10.7 / 12.9-10.19 and 12.9-10.3
Greenwood Village RA4	Canopy/ sub-canopy/shrub layer	• Angophora spp. • A leiocarpa • C. citriodora subsp. variegata	12.9-10.2 / 12.9-10.7 / 12.9-10.19 and 12.9-10.3

Site	Stratum	Species	Corresponding Regional Ecosystem (RE)
		• <i>C. tessellaris</i> • <i>E. acmenoides</i> • <i>E. crebra</i> • <i>E. fibrosa</i> subsp. <i>Fibrosa</i> • <i>E. major</i> • <i>E. melanophloia</i> • <i>E. molucanna</i> • <i>E. portuensis</i> • <i>E. sideroxylon.</i> • <i>E. tereticornis</i>	
	Ground layer	• <i>Eremochloa bimaculata</i>, • <i>Panicum simile</i> and • <i>Aristida calycina</i>	12.9-10.3
Redbank Plains RA8	Canopy/ sub-canopy/shrub layer	• <i>Angophora</i> spp. • <i>A leiocarpa</i> • <i>C. citriodora</i> subsp. <i>variegata</i> • <i>C. tessellaris</i> • <i>E. acmenoides</i> • <i>E. crebra</i> • <i>E. fibrosa</i> subsp. <i>fibrosa</i> • <i>E. major</i> • <i>E. melanophloia</i> • <i>E. molucanna</i> • <i>E. portuensis</i> • <i>E. sideroxylon.</i> • <i>E. tereticornis</i>	12.3.3 / 12.9-10.7 / 12.9-10.3
	Ground layer	• <i>Eremochloa bimaculata</i>, • <i>Panicum simile</i> and • <i>Aristida calycina</i>	12.9-10.3

Notes:

Species composition for Oxley (RA) is to be determined by an AQP.

Table 2: Industrial PMLU Species Mix

Cover	Species	Rates (kg/ha)
Grasses	- Barbed wire grass - <i>Cymbopogon refractus</i> - Eight day grass - <i>Fimbristylis dichotoma</i> - Wiry panic - <i>Entolasia stricta</i> - Brachi hybrid (<i>Brachiaria</i> spp. hybrids). - Brunswick grass (<i>Paspalum nicorae</i>).	1-15
Trees / shrubs	Select 2 to 3 species from tree list.	Density as required ⁶

Notes:

- Table reprinted and adapted from the Report on Investigations (Groundwork Plus 2008).
- *Seeding rate is dependent upon species and should be selected according to coverage required.
- ^Seeding rate for a particular species can be altered if one or more of the species are not available.

Table 3: Revegetation Assessment Criteria

Attributes	RA2	RA4	RA8
regrowth/remnant vegetation (RE)	12.9-10.2 / 12.9-10.7 / 12.9-10.19	12.9-10.2 / 12.9-10.7 / 12.9-10.19 and 12.9-10.3	12.3.3 / 12.9-10.7 / 12.9-10.3
Native tree species richness	≥6	≥6	≥5
Native shrub species richness	≥7	≥7	≥5
tree canopy cover	≥40%	≥40%	≥40%
shrub canopy cover	≥27%	≥27%	≥9%
native perennial grass cover	≥20%	≥20%	≥40%
tree canopy height	≥21m	≥21m	≥21m

⁶ The following densities and diversities at the Dinmore, Greenwood Village and Oxley sites in areas nominated for Native Ecosystem outcomes:

- Plant density: > 300 stems/ ha
- Plant diversity: minimum of 12 different species per hectare including 6 canopy species, and 4 medium to small shrub species.

Attributes	RA2	RA4	RA8
Groundcover	Minimum 70% groundcover to be achieved (organic litter + grass and forb cover)		

Table 4: Erosion classification framework

Erosion classification	Minor	Moderate	Severe
Sheet erosion	Shallow soil deposits downslope	Partial exposure of roots; moderate soil deposits downslope.	Loss of surface horizon; subsoil exposure; root exposure; substantial soil deposits downslope.
Rill	<15 rills/transect*	15-30 rills per transect*	>30 rills per transect*
Gully erosion	<0.3m deep	<0.3m deep	>0.3m deep
Tunnel erosion	Absent	Absent	Present
Mass movement	Absent	Absent	Present

Source: NCST (2009) *Australian Soil and Land Survey Field Handbook, 3rd edition*. The National Committee on Soil and Terrain. CSIRO Publishing, Collingwood, Australia.

*Transect 100 m across the contour (Source: Tongway, D. J. and Hindley, N. L. 2005. *Landscape Function Analysis: Procedures for Monitoring and Assessing Landscapes*. CSIRO Publishing, Canberra, Australia.

Table 5: Surface water monitoring locations

Site	Monitoring Locations	Receiving waters location description	Latitude (decimal degree, GDA94)	Longitude (decimal degree, GDA94)
Upstream monitoring locations				
Greenwood Village		Tributary of Six Mile Creek	-27.661	1452.832
Redbank Plains		Drainage line	-27.630	152.824
Downstream monitoring locations				
Oxley		Little Doris Creek	-27.573	152.97
Dinmore		Drainage line north west corner of site	-27.5997	152.837
Greenwood Village		Tributary of Six Mile Creek	-27.651	152.838
Redbank Plains		Drainage line north east corner of ML4583/ML50117	-27.630	152.828

Redbank Plains		Drainage line west of ML50116	-27.626	152.834
Redbank Plains		Drainage line east of ML50116	-27.621	152.836

Table 6: Surface water quality limits

Quality Characteristic	Limit	Comment
pH	6.5 – 8.0	WQO
Electrical conductivity (µS/cm) – Oxley	Low flow – 380 High flow – 310	Lower Oxley Creek Fresh Waters,
Electrical conductivity (µS/cm) – Greenwood Village and Redbank Plains	Low flow – 380 High flow – 290	Six Mile Creek lowland freshwaters – moderately disturbed
Electrical conductivity (µS/cm) - Dinmore	Low flow – 1500 High flow – 600	Lower Bremer River Fresh Waters Section 2 - lowland fresh waters
Turbidity (NTU) - Dinmore	Low flow – 5 Hogh flow – 14	Lower Bremer River Fresh Waters Section 2 - lowland fresh waters
Turbidity (NTU) – Oxley	Low flow – 6 High flow – 11	Lower Oxley Creek Fresh Waters - lowland fresh waters
Turbidity (NTU) – Greenwood Village and Redbank Plains	Low flow – 11 High flow – 14	Upper and Lower Six Mile Creek - lowland fresh waters
Dissolved Oxygen (% sat)	85-110	WQO
Arsenic - dissolved (µg/L)*	13	ANZG 2018
Cadmium - dissolved (µg/L)*	0.2	ANZG 2018
Chromium - dissolved (µg/L)*	1	ANZG 2018
Copper - dissolved (µg/L)*	1.4	ANZG 2018
Lead- dissolved (µg/L)*	3.4	ANZG 2018
Mercury- dissolved (µg/L)*	0.06	ANZG 2018
Nickel - dissolved (µg/L)*	11	ANZG 2018
Zinc - dissolved (µg/L)*	8	ANZG 2018
Total recoverable hydrocarbons (C6-C9) (µg/L)*	20	

Quality Characteristic	Limit	Comment
Total recoverable hydrocarbons (C10-C36) (µg/L)*	100	
Major ions (mg/L) Calcium, chloride, potassium, magnesium, sodium, bicarbonate, carbonate	For interpretation purposes only	

Notes:

- *Metals, metalloids and hydrocarbons apply to Oxley site only
- All metals and metalloids must be measured as 'dissolved' (from analysis of a field filtered sample) and total (unfiltered).
- Limits for metals and metalloids apply to dissolved results.
- Environmental Protection (Water and Wetland Biodiversity) Policy 2019 Oxley Creek Environmental Values and Water Quality Objectives Part of Basin 143. June 2022. https://environment.des.qld.gov.au/__data/assets/pdf_file/0030/273639/oxley-creek-ev-wqo.pdf
- Environmental Protection (Water and Wetland Biodiversity) Policy 2019 Sandy, Six Mile, Wolston, Woogaroo, and Goodna Creeks Environmental Values and Water Quality Objectives Part of Basin 143. June 2022. https://environment.desi.qld.gov.au/__data/assets/pdf_file/0026/273644/sandy-six-mile-wolston-woogaroo-goodna-creeks-ev-wqo.pdf
- Environmental Protection (Water and Wetland Biodiversity) Policy 2019 Bremer River Environmental Values and Water Quality Objectives Part of Basin 143. June 2022. https://environment.des.qld.gov.au/__data/assets/pdf_file/0024/273624/bremer-river-ev-wqo.pdf

Attachment 1: Surface water monitoring locations





END OF PRCP SCHEDULE